



Addendum

Project: Kingston Health Sciences Centre
Kingston General Hospital
Emergency Power System Capacity & Infrastructure Renewal

Contract No.: 10434805 (HHA: 2250139)

Bid Number: 10434805 / PLO 301360

Addendum No.: 02

Date Issued: Tuesday, July 28, 2026

No. of Pages: 41 pages

The following Addendum shall be read in conjunction with and become part and parcel of the bid documents and shall supersede the drawings and or specifications where applicable. Upon receipt to same, staple this Addendum directly to the inside front cover of the specifications. The Proponent shall bring this Addendum to the attention of all subcontractors, trades and suppliers.

1. The following documentation is issued under this Addendum.

1.1 HDR Addendum No. A02, dated 2026-07-28

40 pages

Per:

Rekha K Suresh, MSc, PMP
Project Manager

End of Addendum

The following Addendum shall be read in conjunction with and become part and parcel of the tendering documents and shall supersede the drawings and/or specifications where applicable. Upon receipt to same, staple this Addendum directly to the inside front cover of the specifications. The Proponent shall bring this Addendum to the attention of all subcontractors, trades and suppliers.

Addendum No. A02

1. General Clarifications

1.1. Bid Terms:

The Bid Terms, including the Bid Submission Deadline are amended as follows:

Item No. 1: Reference: Project Manual Section 00 21 13, Instructions to Bidders

1. Section 1.15 Bid Submission, Item C.

- a. Revise paragraph as follows: 'Bids must be received before 15:00 h local time on August 12, 2026. The term "local time" shall mean the time as measured by the identified clock at the recipient's location.'

- 1.2. For greater clarity, the following provides a table of dates related to the bid. Please submit questions prior to the 'Questions to be Submitted in Writing By' deadline. Addenda may be issued any time prior to the Addenda Issuance Deadline.

Event	Date
Bid Issue Date	2026 July 15
Questions to be Submitted in Writing By	2026 July 31
Addenda Issuance Deadline	2026 August 7
Bid Submission Deadline	2026 August 12 at 15:00 h local time

- 1.3. Refer to the attached Meeting Sign-In sheets providing confirmation of bidders that attended the mandatory meeting. Only those companies who attended the mandatory site walk-through are eligible to submit a bid. Please note that 'Brough Sheet Metal Co.' attended the mandatory site walk-through but are not a pre-qualified bidder and will not be permitted to bid.

Contractors

- CUPIDO Construction
- Emmons & Mitchell Construction (2000) Ltd.
- Gen-eer Construction Ltd.
- 12491401 Canada Ltd. o/a HEIN

Mechanical Sub-Contractors

- E.S. Fox Ltd.
- Kelson Mechanical Eastern Inc.
- Modern Niagara Toronto Inc.

Electrical Sub-Contractors

- E.S. Fox Ltd.
- Modern Niagara

(Commissioning – not mandatory)

- Cx Canada

1.4. Proponent Questions:

1. Q: The work related to drilled concrete piers and shafts reads that the work of this section is unit price work, is this correct and if so there is no line item on the bid sheet for unit pricing.

A: Refer to Changes to Specifications. An updated Specification Section 03 30 00 – Cast-in-Place Concrete replaces the section 31 63 29 – Drilled Concrete Piers and Shafts.

The work associated with drilled concrete shafts will not to be unit price work. Instead, quantities are clear and concrete piers and/or shafts are to be included in the Stipulated Sum base bid value.

2. Q: Has the generator been ordered and if not is the pricing still valid as I notice on Gal Powers quote to the hospital that their pricing is only valid for 60 days, which would have expired on June 16, 2026, based on their tender closing date of April 17, 2026, and will this price change based on current US/Canadian dollar currency rates if we order this after tender closing based on their qualification regarding US/Canadian dollar rates?

A: Please refer to the revised Total Power *Generator System Quotation* dated 2026-05-25 and updated Section 00 41 00 *Bid Form* that are incorporated herewith by addendum.

Questions 3 to 6 are answered in Addendum 01.

7. Q: Architectural drawing A-600 provides detail of typical generator stair construction and has a note that we are to design the metal stair, landing and balustrade in accordance with all applicable codes and designed to suit dimensions indicated however the Gal Power quote reads that the stairs and landing are included with their package. Please clarify if we are to supply the stairs and landing or if they are part of Gal Powers package for the generator.

A: GAL Power Systems Ottawa branch now operates under the name Total Power. The stairs / platforms were clarified to not be included in GAL Power System's quotation. Please refer to the bid documents including, but not limited to, HDR Drawing A-050 and include pricing for the metal stairs, platforms, railings and related materials in your submission.

8. Q: On Civil drawing C-04 there is a note to install guardrail in between several bollard locations and refers to note 3 which reads "see structural drawing for guardrail details" I cannot find any reference on the structural drawings for the guardrail details only for the bollards. Also are we supposed to install bollards as per Civil? Architectural? Or Structural layout? The architectural and structural have +-36 bollards and the civil only indicate 27 and include guard rails in 3 locations that are not shown on any of the architectural or structural drawings. please advise

A: The Architectural drawings identify the intent of the subbase fuel tank protection with bollards and potential subsurface conflicts. The contract documents / bid documentation include additional information identifying subsurface conditions including a subsurface utilities survey. Civil drawings provide additional details of alternative means of protection. However, the contract documents include excavation and replacement of underground services such that they can likely be accommodated with careful bollard spacing (for example: bollards can be spaced to meet the maximum spacing and avoid and underground utility).

The guardrail is a vendor-supplied, pre-engineered system, and therefore there are no corresponding structural detail drawings within the structural package. The contractor shall

provide and install the guardrail system in accordance with the manufacturer's requirements and project specifications. Refer to additional information provided in this addendum.

9. Q: Electrical drawing E0-10 note 7 reads "cabling to run through existing crawl space" is this crawl space a confined space and will confined space entry requirements be required for this space?

A: Cable routing was reviewed on site during July 22, 2026, walkthrough. The crawl space has not been identified or labelled as a confined space. However, as Constructor, the proponent shall perform their own review to satisfy their health and safety responsibilities.

10. Q: One week extension of the KGH Emergency Generator project, this is due to workload and holiday's currently affecting our bidding.

A: Refer to changes captured in this addendum.

2. Changes to Specifications

- 2.1. Division 00, 00 01 10 "Table of Contents"

2.1.1. Delete 'Division 31 Earthwork'. Delete '31 63 29 - Drilled Concrete Piers and Shafts'.

- 2.2. Division 00, 00 21 13 "Instructions to Bidders"

2.2.1. Revise item 1.15.C. as follows: Delete 'August 10'. Insert 'August 12' in its place.

- 2.3. Division 00, 00 41 00 "Bid Form"

2.3.1. Replace previous version with bid form dated 2026-07-28 "Issued for 100% IFT – Addendum 002" included herein. Use this revised Bid Form for submission. Mark previous versions 'Superseded'.

- 2.4. Division 03, 03 30 00 "Cast-In-Place Concrete"

2.4.1. Replace previous version with section dated 2026-07-28 "Issued for 100% IFT – Addendum 002" included herein.

- 2.5. Division 07, Section 07 42 13.13 "Insulated Metal Wall Panels"

2.5.1. Replace previous version with section dated 2026-07-28 "Issued for 100% IFT - Addendum 002" included herein.

- 2.6. Division 31, Section 31 63 29 "Drilled Concrete Piers and Shafts"

2.6.1. Delete section 31 63 29: Drilled Concrete Piers and Shafts dated 2026-07-15 "Issued for 100% IFT."

- 2.7. Project Manual, Generator Procurement Reference Information

2.7.1. Insert revised Total Power *Generator System Quotation* dated 2026-05-25 included herein, immediately after the Project Manual cover page.

2.7.2. On first page of this quotation, delete the words "Stairs on outside of enclosure".

3. Changes to Drawings

- 3.1. Drawing A-050

3.1.1. Add an annotation with leader to a bollard as follows:

"PROVIDE BOLLARDS TO PROTECT GENERATOR SUBBASE FUEL TANK FROM IMPACT ON THREE SIDES EXPOSED TO VEHICULAR TRAFFIC: EAST, SOUTH, AND WEST, IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS. BOLLARDS

SHALL BE INSTALLED PER STRUCTURAL DRAWING DETAIL A/S-004. BOLLARDS SHALL BE PREPARED AND COATED WITH YELLOW EPOXY PAINT AND COMPLETE WITH A 100 mm BAND OF SELF-ADHERING WHITE REFLECTIVE TAPE. DRAWING IS NOT TO SCALE, DO NOT SCALE DRAWING. BOLLARD SPACING SHALL BE A MAXIMUM OF 1200 mm ON CENTRE. BOLLARD SPACING SHALL PROVIDE A MINIMUM CLEARANCE OF 1000 mm FROM THE FACE OF THE FUEL TANK AND GENERATOR ENCLOSURE. NOT ALL WEST-SIDE BOLLARDS ARE DEPICTED – THEY MAY INCORPORATE PIPE RACK FRAME FOOTINGS. PROVIDE A SUBMITTAL IDENTIFYING BOLLARD ARRANGEMENT FOR OWNER'S ACCEPTANCE PRIOR TO INSTALLATION."

3.2. Drawing C-004

3.2.1. Revise Note 3 to read as follows:

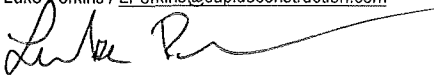
"GUARDRAILS MAY BE REQUIRED TO AVOID SUBSURFACE UTILITIES. REFER TO SUBSURFACE UTILITY SURVEY AND AS-BUILT CONDITIONS FOR THIS PROJECT'S SUBSURFACE UTILITY WORK. GUARDRAILS SHALL BE STEEL DEEP BEAM TYPE, 300 x 4050 mm, SUPPORTED BY BOLLARDS LOCATED NOT MORE THAN 1875 mm APART, CENTRE TO CENTRE, AND THE BOTTOM OF THE BEAM SHALL BE 450 mm ABOVE GRADE."

End of Addendum No. A02



Meeting Sign-In

Project: **Emergency Power System Capacity & Infrastructure Remediation**
Contract No.: 10434805 Client Project No.: PLO23-0005
Meeting Type: **Section 00 21 13, Paragraph 1.5 Mandatory Site Meeting**
Date & Time: **Wednesday, July 22, 2026 @ 10:00am – 11:00am**
Location: **KGH Connell Entrance @ King st West**
File No.: 10434805 - PLO23-0005 - Emergency Power System Capacity & Infrastructure Remediation - Sign-in sheet.docx

Confirmed Attending	Company Contact Info (Name / Email)	Signature of Attendance
CONTRACTORS:		
☐	Bradford Construction Ltd.	
☒	David J. Cupido Construction Ltd. Luke Perkins / LPerkins@cupidoconstruction.com	
☒	Emmons & Mitchell Construction (2000) Ltd. Matt Waitson / matt@eandm.ca Adrian Droogh / adrian@eandm.ca	
☐	Frecon Construction Ltd.	
☒	Gen-eer Construction Ltd.  bn.v@geneer.ca	
☐	Harbridge & Cross Ltd.	
☒	12491401 Canada Ltd. o/a HEIN	



Jumec Construction Inc.

☐

Ledcor Projects Eastern Ltd.

☐

M. Sullivan & Son Ltd.

☐

PCL Constructors Canada Inc.

☐

Quinan Construction Ltd.

☐

**MECHANICAL
SUBCONTRACT
BIDDERS:**

E.S. Fox Ltd.

Josh Reid / josh.reid@esfox.com

☐

Kelson Mechanical Eastern Inc.

☒

Armaan Lachh

Armaan

Kelson.kingston@kelme.ca
Kelme
kelson.eastern@kelme.ca

Modern Niagara Toronto Inc.

Sean Robinson / shaun.mcalister@siemens.com

Andrew Pereira / apereira@modernniagara.com

☐

Andrew

Brough Street north
Travis Hamilton
[Signature] | *mechanical*



Confirmed
Attending

Company
Contact Info (Name / Email)

Signature of Attendance

**ELECTRICAL
SUBCONTRACT
BIDDERS:**

E.S. Fox Ltd.

Josh Reid / josh.reid@esfox.com

☐

M/26 Paul

Modern Niagara

Sean Robinson / shaun.mcalister@siemens.com

Andrew Pereira / apereira@modernniagara.com

☒

Parallel electric Ltd.

☐

**BAS / FIRE ALARM
SUBCONTRACT
BIDDERS:**

Siemens

☐

CX Carvaldm

613 453 6998

SECTION 00 41 00
BID FORM

Name of Contractor:

Bid For: Kingston Health Sciences Centre
KHSC-Emergency Power System Capacity & Infrastructure Remediation
Kingston, Ontario.

To: Scott Garrett
Director, Redevelopment
Kingston Health Sciences Centre
Planning Office
24 Barrie Street,
Kingston ON K7L 3J6

We, the undersigned, having carefully examined the Bid Documents, visited the site, and taken into account all conditions affecting the *Work*, hereby offer to furnish all necessary labour, *Products* and *Construction Equipment* required to perform expeditiously, and complete in a satisfactory manner, the above mentioned *Project* in accordance with the Bid Documents, for the Stipulated Sum of

.....
.....dollars (\$)

We confirm that the above sum includes all applicable taxes, royalties, custom duties, overhead and profit, insurance premiums, permits, and all other charges at the date of this Bid, and is not subject to revisions due to changes in the cost of labour, materials or other items, but does not include any *Value Added Taxes*.

1.1 VALUE ADDED TAXES

The Stipulated Sum does not include *Value Added Taxes*.

1.2 ITEMIZED PRICES

We list hereunder the requested breakdown of items of *Work* included in our bid price. It is understood that these itemized prices are provided for information purposes only and will not be used to modify the scope of the *Work* and adjust our bid price.

<u>Item of Work</u>	<u>Itemized Price</u>
2 MW Diesel Generator	\$ 1,656,079.00 from Total Power.....
Master Control Upgrades	\$ 69,500 from Total Power.....
Removal of SAN and STM and provision of new SAN and STM	\$.....
Allowances	\$.....
Inspection and Testing	\$15,000
Independent Verification Services	\$30,000

Fire Alarm Verification Services \$10,000

1.3 ALTERNATIVE PRICES

We list hereunder the requested alternative prices. The amount to be added to, or deducted from, our base bid price is entered for each requested alternative. All alternative prices exclude *Value Added Taxes*. If there is no change to the base bid price for an alternative, we have so indicated. It is understood that:

- a) the *Owner* may accept any of the alternatives and corresponding alternative prices in any order or combination, including all or none,
- b) [the lowest bidder will be determined solely from the base bid, without considering any alternative prices,]
- c) [alternative prices will be considered in determining the lowest bidder,]
- d) alternatives and alternative prices are open for acceptance by the *Owner* for the same period of time as the base bid price,
- e) the *Work* of the *Contract* and the *Contract Price* will reflect the alternatives and alternative prices, if any, accepted by the *Owner* at the time of *Contract* award, and
- f) acceptance of any alternatives will not affect the base bid *Contract Time*, unless we have specifically indicated an increase or decrease in time, in number of days, on account of a particular alternative.

<u>Description of Alternative</u>	<u>Effect on Base Bid Price</u>	
	<u>Add</u>	<u>Deduct</u>
Alternative No. 1:		
[...]:	\$.....	\$.....
Alternative No. 2:		
[...]:	\$.....	\$.....

1.4 SUBCONTRACTS

We list hereunder the names of the *Subcontractors* whose bids we have used in our Bid and with whom we intend to award subcontracts, if awarded the *Contract*. We acknowledge that no changes to the list will be made without the *Consultant's* approval.

1.5 TRADE NAME

Demolition	
Structural Steel	
Formwork and Foundations	
Metal Panel Systems	
Sprinklers & Fire Suppression	
Concrete/Structural Reinforcing	
Mechanical Prime	

Electrical Prime

1.6 VALIDITY OF THE BID

Our bid will remain in good standing for a period of ninety (90) days after the closing date of general contract bids.

1.7 COMPLETION OF THE WORK

We understand the sequence of work as outlined in the Project Manual and undertake to complete the work within _____ weeks.

Date to Commence Work _____ Date of Ready-For-Takeover _____

1.8 ACCEPTANCE OF THE BID

We recognize the right of the *Owner* not to accept the lowest or any other bid received.

1.9 ALTERNATIVES

We hereby submit for your consideration the following alternatives and understand that the *Owner* may reject any or all of these proposals:

SPEC SECTION	ADD TO STIPULATED SUM	DEDUCT FROM STIPULATED SUM
_____	_____	_____
_____	_____	_____
_____	_____	_____

1.10 ENCLOSURES

We enclose herewith the following:

- A. Letter of Consent from the Surety Company.
- B. A Bid Bond made out in favour of the *Owner* in the amount of 10% of the Bid Price.
- C. Undertaking of Insurance.

1.11 SCHEDULE OF VALUES (REQUIRED WITH BID)

- A. Schedule of Values (SOV) – Bid Form Attachment is REQUIRED to be submitted with this Bid Form.
 - 1. The Schedule of Values shall allocate 100% of the Base Bid Amount.
 - 2. The total of all line items must equal the Base Bid.
 - 3. The SOV shall be used for:
 - a. Evaluation of bid completeness
 - b. Progress payments
 - c. Change order pricing
- B. Failure to include a Schedule of Values may render the bid non-compliant.

1.12 ADDENDA

We acknowledge receipt of the following addenda issued during the bidding period.

Addendum No. _____ dated _____.

Addendum No. _____ dated _____.

Addendum No. _____ dated _____.

Addendum No. _____ dated _____.

Addendum No. _____ dated _____.

Addendum No. _____ dated _____.

1.13 BID EVALUATION

We understand that the Bid will be evaluated based on the Base Bid.

Dated at _____

This _____ Day of _____ 2026.

Seal (If a Corporation)
Signature of Bidder

END OF BID FORM

SCHEDULE OF VALUES (SOV) – BID FORM ATTACHMENT

1.1 PRICE BREAKDOWN BY DIVISION

DIVISION	VALUE
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01	GENERAL CONDITIONS	\$
02	EXISTING CONDITIONS	\$
03	CONCRETE	\$
04	MASONRY	\$
05	METALS	\$
06	WOOD, PLASTICS, AND COMPOSITES	\$
07	THERMAL AND MOISTURE PROTECTION	\$
08	OPENINGS	\$
09	FINISH	\$
10	SPECIALTIES	\$
11	EQUIPMENT	\$
12	FURNISHINGS	\$
13	SPECIAL CONSTRUCTION	\$
14	CONVEYING EQUIPMENT	\$
20	MECHANICAL COMMON WORK RESULTS	\$
21	FIRE SUPPRESSION	\$
22	PLUMBING	\$
23	MECHANICAL	\$
25	INTEGRATED AUTOMATION	\$
26	ELECTRICAL	\$
27	COMMUNICATIONS	\$
28	ELECTRONIC SAFETY AND SECURITY	\$
31	EARTHWORKS	\$
32	EXTERIOR IMPROVEMENTS	\$
TOTAL BID		\$

PART 1 - GENERAL

1.1 RELATED REQUIREMENTS

- A. Section 03 10 00 - Concrete Forming and Accessories
- B. Section 03 20 00 - Concrete Reinforcing

1.2 PRICE AND PAYMENT PROCEDURES

- A. Measurement and Payment:
 - 1. Measurement Procedures: In accordance with Section 01 29 00 - Payment Procedures.
 - 2. Measure cast-in-place concrete in cubic metres calculated from neat dimensions authorized in writing by Departmental Representative.
 - a. Concrete placed beyond dimensions indicated are not measured.
 - 3. No deductions made for volume of concrete displaced by reinforcing steel, structural steel, or piles.
 - 4. No deductions made for volume of concrete less than 0.1 m³ in volume displaced by individual drainage openings.
 - 5. Supply and installation of anchor bolts, nuts and washers and bolt grouting not measured but considered incidental to work.

1.3 ABBREVIATIONS AND ACRONYMS

- A. Portland Cement: hydraulic cement, blended hydraulic cement (XXb - b denotes blended) and Portland-limestone cement types:
 - 1. GU, GUb, GUL and GULb - General use cement
 - 2. MS, MSb and MSLB - Moderate sulphate-resistant cement
 - 3. MH, MHb, MHL and MSLB - Moderate heat of hydration cement
 - 4. HE, HEb, HEL and HELb - High early-strength cement
 - 5. LH, LHb, LHL LHLb - Low heat of hydration cement
 - 6. HS, HSb and HSLb - High sulphate-resistant cement
- B. Fly ash types:
 - 1. F - with a maximum CaO content of 8%
 - 2. CI - with CaO content of 15% and 20%
 - 3. CH - with a minimum CaO content of 20%
- C. Other Supplementary Cementitious Materials (SCM) types:
 - 1. S-GGBFS - Ground, granulated blast-furnace slag
 - 2. N – Natural pozzolan
 - 3. SF – Silica fume with minimum silicon dioxide (SiO₂) content of 85%
 - 4. SFI – Silica fume with silicon dioxide (SiO₂) content between 75% and 85%
 - 5. GL – Ground glass with maximum total alkali (NaEq) content of 4%
 - 6. GH – Ground glass with total alkali (NaEq) content between 4% and 13%

1.4 DEFINITIONS

- A. Environmental Product Declaration (EPD): Third-party verified documentation with the supporting Product Category Rule (PCR) and Life Cycle Assessment information. Prepared in accordance with ISO 14025, ISO 14040, ISO 14044, and EN 15804 or ISO 21930 and having at least a cradle-to-gate scope.
 - 1. Industry-wide (generic) EPD with third-party certification (Type III), including external verification in which the manufacturer is explicitly recognized as the participant by the program operator.

2. Product-specific Type III EPD - Products with third-party certification (Type III), including external verification in which the manufacturer is explicitly recognized as the participant by the program operator.
- B. Supplementary Cementitious Materials (SCM)s: Materials added to concrete which contribute to the properties of hardened concrete through hydraulic or pozzolanic activity.
- C. Workability: This term broadly describes the total properties and expectations for concrete delivered to site as follows:
 1. Individual tested properties of concrete that account for confined or free flow slump, penetration, compaction, or relative plasticity of various concrete mix designs used for the project.
 2. Overall properties involved with mixing, handling, transportation, and placement using vibratory compaction methods without loss of homogeneity of in-place concrete.

1.5 REFERENCE STANDARDS

- A. ASTM International (ASTM):
 1. ASTM C171-20, Standard Specification for Sheet Materials for Curing Concrete
 2. ASTM C260/C260M-10a, Standard Specification for Air-Entraining Admixtures for Concrete
 3. ASTM C309-19, Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete
 4. ASTM C494/C494M-17, Standard Specification for Chemical Admixtures for Concrete
 5. ASTM C881/C881M-20a, Standard Specification for Epoxy-Resin-Base Bonding Systems for Concrete
 6. ASTM C1017/C1017M-13e1, Standard Specification for Chemical Admixtures for Use in Producing Flowing Concrete
 7. ASTM C1059/C1059M-21, Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete
 8. ASTM D412-16, Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension
 9. ASTM D624- 00, Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers
 10. ASTM D1751- 18, Standard Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types)
 11. ASTM D1752- 18, Standard Specification for Preformed Sponge Rubber, Cork and Recycled PVC Expansion Joint Fillers for Concrete Paving and Structural Construction
- B. British Standards Institution (BSI Group):
 1. EN 15804:2012, Sustainability of construction works — Environmental product declarations — Core rules for the product category of construction products
- C. Canadian General Standards Board (CGSB):
 1. CAN/CGSB-51.34-M 86, Vapour Barrier, Polyethylene Sheet for Use in Building Construction
- D. CSA Group (CSA):
 1. CSA A23.1: 19 /A23.2: 19, Concrete Materials and Methods of Concrete Construction/Test Methods and Standard Practices for Concrete
 2. CSA A283: 19, Qualification Code for Concrete Testing Laboratories
 3. CSA A3000- 18, Cementitious Materials Compendium
- E. International Organization for Standardization (ISO):
 1. ISO 14025:2006, Environmental labels and declarations — Type III environmental declarations — Principles and procedures
 2. ISO 14040:2006, Environmental management — Life cycle assessment — Principles and framework

3. ISO 14044:2006, Environmental management — Life cycle assessment — Requirements and guidelines
4. ISO 21930:2017, Sustainability in buildings and civil engineering works — Core rules for environmental product declarations of construction products and services

1.6 ADMINISTRATIVE REQUIREMENTS

- A. Pre-Installation Meetings: In accordance with Section 01 31 19 - Project Meetings, convene pre-installation meeting one week before beginning concrete works.
 1. Ensure key personnel, site supervisor, Departmental Representative, Consultant speciality Subcontractor - finishing, forming concrete producer attend.
 - a. Verify project requirements.
 - b. Discuss appropriate Subcontractor footwear that will not damage the underslab membrane, and other related precautions required to ensure the membrane's continuous integrity.
- B. Coordination:
 1. Coordinate sequencing and installation of underslab waterproofing membrane with Section 07 26 00 - Vapour Retarders.

1.7 ACTION AND INFORMATIONAL SUBMITTALS

- A. Submit in accordance with Section 01 33 00 - Submittal Procedures.
- B. Product Data:
 1. Submit manufacturer's instructions, product literature and data sheets for proprietary materials used in cast-in-place concrete and additives and include product characteristics, performance criteria, physical size, finish and limitations.
 2. Submit WHMIS Safety Data Sheet (SDS).
- C. Samples:
 1. When requested, submit two samples a minimum 4 weeks before beginning work for review and acceptance of materials proposed for use as follows:
 - a. 1 m length of each type of joint filler.
 - b. 1 m length of each type of waterstop.
 2. Samples will not be returned for inclusion into work.

1.8 QUALITY ASSURANCE

- A. Quality Assurance: In accordance with Section 01 43 00 - Quality Assurance.
- B. Submit a valid and recognized certificate from the plant delivering the concrete a minimum of four weeks before starting concrete work for approval by Departmental Representative.
 1. Submit test data and certification by qualified independent inspection and testing laboratory that materials and mix designs used in concrete mixture meet specified requirements.
- C. Inform Departmental Representative of fly ash source at least four weeks before beginning concrete work.
 1. Changing source of fly ash without written approval from Departmental Representative is prohibited.
- D. Submit proposed quality control procedures a minimum four weeks before starting concrete work, for review by Departmental Representative on the following items:
 1. Falsework erection
 2. Hot weather concrete
 3. Cold weather concrete
 4. Curing
 5. Finishes
 6. Formwork removal
 7. Joints

- E. Quality Control Plan: Submit written report to Departmental Representative verifying compliance that cast-in-place concrete meets performance requirements of concrete as established in PRODUCTS in Part 2 of this Section.
- F. Mock-Ups: Construct site mock-up for architectural finished concrete indicating forming methods and materials, and procedures proposed to achieve architectural finish in accordance with Section 01 43 00 - Quality Assurance, to comply with the following requirements:
 - 1. Build mock-up in location and size as directed by Departmental Representative.
 - 2. Mock-up may form part of permanent structure when accepted by Departmental Representative.
 - 3. In the presence of Departmental Representative, intentionally damage part of exposed face for each finish, colour, and texture to demonstrate the proposed techniques and materials to be used for repairs to match adjacent undamaged surfaces.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Delivery and Acceptance Requirements:
 - 1. Concrete hauling time: Deliver to site of Work and discharge within a maximum of 120 minutes after batching.
 - 2. Modifying maximum time limit before receiving written agreement from Departmental Representative and concrete producer as described in CSA A23.1/CSA A23.2 is prohibited.
 - 3. Submit deviations for review by Departmental Representative.
 - 4. Concrete delivery: Ensure continuous concrete delivery from plant meets CSA A23.1/CSA A23.2.
- B. Packaging Waste Management: Remove pallets, crates, and packaging materials for reuse by manufacturer and return in accordance with Section 01 74 19 - Waste Management and Disposal.

1.10 SITE CONDITIONS

- A. Placing concrete during rain or weather events that could damage concrete is prohibited.
- B. Protect newly placed concrete from rain or weather events in accordance with CSA A23.1/CSA A23.2
- C. Cold weather protection:
 - 1. Maintain protection equipment in readiness on Site.
 - 2. Use protection equipment when ambient temperature is below 5°C, or when temperature may fall below 5°C before concrete has cured.
 - 3. Placing concrete upon or against surface at temperature below 5°C is prohibited.
- D. Hot weather protection:
 - 1. Protect concrete from direct sunlight when ambient temperature is above 27°C.
 - 2. Prevent forms from getting too hot before concrete is placed. Apply accepted methods of cooling that will not negatively affect concrete.
- E. Protect concrete from drying.

PART 2 - PRODUCTS

2.1 DESIGN CRITERIA

- A. Alternative 1 - Performance: To CSA A23.1/CSA A23.2, and as described in MIXES in PART 2 - PRODUCTS of this Section.

2.2 PERFORMANCE CRITERIA

- A. Quality Control Plan: Ensure concrete supplier meets performance criteria of concrete as established by Departmental Representative and provide verification of compliance as described in QUALITY ASSURANCE in Part 1 of this Section.
- B. Provide supplementary cementitious materials and products that contribute to a 15 % reduction in the Global Warming Potential (GWP) against the listed GWP identified in the industry-wide EPD and a reduction in the environmental impact categories as measured through a cradle-to-gate scope.
- C. Provide supplementary cementitious materials and products that contribute to a maximum GWP of 250 kgCO₂/m³ against the listed GWP identified in the industry-wide EPD and a reduction in the environmental impact categories as measured through a cradle-to-gate scope.
- D. Recycled Content: Use of supplementary cementitious materials that contribute to a 20 % reduction in the quantity of Portland cement used as part of a concrete mix design.
 - 1. Provide Supplementary Cementitious Materials (SCM) and products that contain or are sourced from processes that use post-consumer and pre-consumer recycled content.

2.3 MATERIALS

- A. Portland Cement: GU, MS
- B. Blended hydraulic cement: Type Gub to CSA A3000.
- C. Supplementary non-cementitious materials: Reduction in cement through the use of CO₂ mineralization, in accordance with CSA A23.1/CSA A23.2 Annex S.
- D. Water: To CSA A23.1/CSA A23.2.
- E. Aggregates: To CSA A23.1/CSA A23.2.
- F. Admixtures:
 - 1. Air entraining admixture: To ASTM C260/C260M.
 - 2. Chemical admixture: To ASTM C494/C494M. Departmental Representative to approve accelerating or set retarding admixtures during cold and hot weather placing.
 - 3. Corrosion-inhibiting admixture: To meets the requirements of ASTM C1582.
 - 4. Shrinkage-reducing admixture (SRA): To ASTM C494.
- G. Post-Tensioning Ducts: To CSA A23.1/CSA A23.2.
- H. Curing Compound: To CSA A23.1/CSA A23.2.
- I. Pre-moulded Joint Fillers:
 - 1. Bituminous impregnated fibreboard: To ASTM D1751.
 - 2. Sponge rubber: To ASTM D1752..
 - 3. Self-expanding or Standard cork: To ASTM D1752.
- J. Weep hole tubes: Galvanized steel.
- K. Dovetail anchor slots: Minimum 0.6-mm-thick galvanized steel with insulation filled slots.
- L. Concrete Bonding Agents: Epoxy to ASTM C881/C881M, Type V, Latex to ASTM C1059/C1059M.

2.4 MIXES

- A. Alternative 1 - Performance Method for specifying concrete: To meet Departmental Representative, performance criteria to CSA A23.1/CSA A23.2.
 - 1. Concrete supplier to meet performance criteria as established below and provide verification of compliance as in Quality Control Plan.
 - 2. Provide concrete mix to meet the following hard state requirements:
 - a. Compressive strength at 28 days age: Minimum 35 MPa.

- b. Coarse aggregate size maximum 20 mm.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Obtain Departmental Representative's written approval before placing concrete.
 - 1. Provide a minimum of 24 hours notice before placing of concrete.
- B. Place concrete reinforcing in accordance with Section 03 20 00 - Concrete Reinforcing.
- C. During concreting operations:
 - 1. Development of cold joints not allowed.
 - 2. Ensure concrete delivery and handling facilitate placing with minimum amount of re-handling, and without damage to existing structure or Work.
- D. Pumping of concrete permitted only after approval of equipment and mix.
- E. Disturbing reinforcement and inserts during concrete placement is prohibited.
- F. Before placing of concrete obtain Departmental Representative's approval of proposed method for protection of concrete during placing and curing.
- G. Protect previous work from staining.
- H. Clean and remove stains before application for concrete finishes.
- I. Maintain accurate records of poured concrete items to indicate date, location of pour, quality, workability, air content, temperature and test samples taken.
- J. In locations where new concrete is dowelled to existing work, drill holes in existing concrete.
 - 1. Place steel dowels of deformed steel reinforcing bars and pack solidly with epoxy grout to anchor and hold dowels in positions as indicated.
- K. Do not place load upon new concrete until authorized by Consultant.

3.2 INSTALLATION/APPLICATION

- A. Do cast-in-place concrete work in accordance with CSA A23.1/CSA A23.2.
- B. Caisson (Shaft) Foundation System
 - 1. For caisson foundation systems concrete should be poured expeditiously on completion of the caisson hole. Concrete be placed by the tremie method as soon as the hole reaches its desired depth following interim inspection of the caisson hole by the Quality Verification Engineer. The liner should be withdrawn as concrete is placed. During liner withdrawal, the level of concrete in caisson hole must always be at least 0.6 m above the bottom of the temporary liner. The reinforcement shall not be displaced or distorted during the construction of the caisson. Arching of concrete during casing withdrawal shall be prevented.
 - 2. Concrete Placed in the Dry: The concrete may be placed free fall provided the fall is vertically down the center of the opening and transverse ties, spacers or other objects do not impede the free fall. In the event of interference with the concrete free fall, an elephant trunk or other means shall be used to prevent concrete segregation. Concrete shall be placed in a continuous operation from the bottom to the top of the caisson or, where columns are cast integral with the caisson, to the elevation of the bottom of the column steel reinforcement cage.
 - 3. The concrete shall be vibrated for the last 1.5 m of the pour.

4. Concrete Placed Under Water or Under Slurry: Tremie or pumped concrete shall be carried out in one continuous operation. The tremie or pumping operation shall be a continuous flow of concrete that prevents the inflow of water or slurry. Where tremie concrete is to be placed in a caisson under water, the Contractor shall maintain an adequate head of water within the excavations to prevent the inflow of water through the base or walls of the caisson as the concrete is being placed. Where tremie is placed under slurry, the caisson shall be filled with concrete entirely by tremie and the method of deposition shall not be changed part way up the caisson. When concrete placement is not started within 6 hours of acceptance of the excavation, the excavation shall be redrilled, cleaned, and the slurry tested before concrete placement commences.
- C. Sleeves and inserts:
1. Do not permit penetrations, sleeves, ducts, pipes or other openings to pass through joists, beams, column capitals or columns, except where indicated or approved by Departmental Representative.
 2. Where approved by Departmental Representative, set sleeves, ties, pipe hangers and other inserts and openings as indicated or specified elsewhere.
 3. Sleeves and openings greater than 100 x 100 mm that are not indicated in the reviewed shop drawings must be approved by Departmental.
 4. Do not eliminate or displace reinforcement to accommodate hardware. If inserts cannot be located as specified, obtain written approval of modifications from Departmental Representative before placing concrete.
 5. Confirm locations and sizes of sleeves and openings shown on drawings.
 6. Set special inserts for strength testing as indicated and as required by non-destructive method of testing concrete.
- D. Installation - Anchor bolts:
1. Set anchor bolts to templates in coordination with appropriate Subcontractor before placing concrete.
 2. Grout anchor bolts in preformed holes or holes drilled after concrete has set only after receipt of written approval from Departmental Representative.
 3. Protect anchor bolt holes from water accumulation, and snow and ice build-ups.
 4. Set bolts and fill holes with epoxy grout.
 5. Locate anchor bolts used in connection with expansion shoes, rollers and rockers taking into consideration ambient temperature at time of erection.
- E. Installation - Drainage holes and weep holes:
1. Form weep holes and drainage holes in accordance with Section 03 10 00 - Concrete Forming and Accessories. If wood forms are used, remove them after concrete has set.
 2. Install weep hole tubes and drains as indicated on Drawings.
- F. Installation - Dovetail anchor slots: In accordance with Section 04 05 00 - Common Work Results for Masonry.
1. Install continuous vertical anchor slot to forms where masonry abuts concrete wall or columns.
 2. Install continuous vertical anchor slots at 800 mm on centre where concrete walls are masonry faced.
- G. Installation - Grout under base plates using procedures in accordance with manufacturer's recommendations which result in 100 % contact over grouted area.
- H. Finishing and curing:
1. Finish concrete to CSA A23.1/CSA A23.2.
 2. Use procedures as reviewed by Departmental Representative or those noted in CSA A23.1/CSA A23.2 to remove excess bleed water. Ensure surface is not damaged.

3. Cure concrete in accordance with CSA A23.1/CSA A23.2. If required, use curing compounds compatible with applied finish on concrete surfaces. Use sheet materials in accordance with ASTM C171 for curing concrete floor slabs.
 4. Finish concrete floor to CSA A23.1/CSA A23.2.
 5. Provide swirl-trowelled finish unless otherwise indicated.
 6. Rub exposed sharp edges of concrete with carborundum to produce a minimum 3-mm radius edges unless otherwise indicated.
- I. Installation - Waterstops:
1. Install waterstops to provide continuous water seal.
 2. Do not distort or pierce waterstop in way as to hamper performance.
 3. Do not displace reinforcement when installing waterstops.
 4. Use equipment to manufacturer's requirements to site splice waterstops.
 5. Tie waterstops rigidly in place.
 6. Use only straight heat sealed butt joints on site.
 7. Use factory welded corners and intersections unless otherwise approved by Departmental Representative.
- J. Installation - Joint fillers:
1. Provide filler for each joint in single piece for depth and width required for joint, unless otherwise authorized by Departmental Representative.
 2. When more than one piece required for joint, fasten abutting ends and hold securely to shape by stapling or other positive fastening.
 3. Locate and form isolation, construction and expansion joints as indicated.
 4. Install joint filler.
 5. Use 12-mm-thick joint filler to separate slabs-on-grade from vertical surfaces and extend joint filler from bottom of slab to finished slab surface unless otherwise indicated.
- K. Installation - Damp-proof membrane:
1. Install damp-proof membrane under concrete slabs-on-grade inside building.
 2. Lap damp-proof membrane a minimum 150 mm at joints and seal.
 3. Seal punctures in damp-proof membrane before placing concrete.
 4. Use patching material a minimum 150 mm larger than puncture and seal.

3.3 TOLERANCES

- A. Concrete surface tolerance to CSA A23.1/CSA A23.2.

3.4 SITE QUALITY CONTROL

- A. Site tests: Conduct tests as follows in accordance with Section 01 45 00 - Quality Control and submit report as described in ACTION AND INFORMATIONAL SUBMITTALS in Part 1 of this Section.
1. Concrete pours
 2. Slump
 3. Air content
 4. Compressive strength at 7 and 28 days
 5. Air and concrete temperature
- B. Inspection and testing of concrete and concrete materials carried out by testing laboratory designated by Departmental Representative to CSA A23.1/CSA A23.2.
1. Ensure testing laboratory certified to CSA A283.
- C. Distribute test results for discussion at pre-pouring concrete meeting between testing laboratory and Departmental Representative.
- D. Owner will pay for costs of tests or as specified in Section 01 29 83 - Payment Procedures for Testing Laboratory Services.

- E. Testing agency will take additional test cylinders during cold weather concreting. Cure cylinders on Project site under same conditions as concrete which they represent.
- F. Non-Destructive Methods for Testing Concrete: To CSA A23.1/CSA A23.2.
- G. Inspection or testing by Consultant not to augment or replace Contractor quality control nor relieve Contractor of contractual responsibility.

3.5 CLEANING

- A. Clean in accordance with Section 01 74 00 - Cleaning.
 - 1. Provide appropriate area on Project site where concrete trucks can be safely washed.
- B. Waste Management: Separate waste materials for reuse and recycling in accordance with Section 01 74 19 - Waste Management and Disposal.
 - 1. Divert unused concrete materials from landfill to local facility.
 - 2. Divert unused admixtures and additive materials (pigments, fibres) from landfill to official hazardous material collections site.
 - 3. Disposal of unused admixtures and additive materials, concrete, concrete washwater, or cleaning materials and residues into sewer systems, into lakes, streams, onto ground or in other locations that pose a health or environmental hazard is prohibited.
 - 4. Prevent admixtures and additive materials from entering drinking water supplies or streams.
 - 5. Using appropriate safety precautions, collect liquid or solidify liquid with inert, noncombustible material and remove for disposal.

END OF SECTION

PART 1 - GENERAL

1.1 REFERENCES

- A. Aluminum Association Designation System for Aluminum Finishes-1980.
- B. ASTM A 167-99, Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- C. ASTM D 523-89(1999), Test Method for Specular Gloss.
- D. ASTM D 822-01, Practice for Conducting Tests on Paint and Related Coatings and Materials using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus.
- E. CGSB 19-GP-14M, Sealing Compound, One Component, Butyl-Polyisobutylene Polymer Base, Solvent Curing.
- F. CAN/CGSB-19.18-M87, Sealing Compound, One-Component, Silicone Base, Solvent Curing

1.2 DESIGN CRITERIA

- A. Design metal cladding to provide for thermal movement of component materials caused by ambient temperature range of 80°C without causing buckling, failure of joint seals, undue stress on fasteners or other detrimental effects.
- B. Maximum deviation from vertical and horizontal alignment of erected panels: 1 to 1000

1.3 QUALIFICATION OF INSTALLER

- A. Installation of double skin metal cladding by of Installers certified by manufacturer of system used.

1.4 SHOP DRAWINGS

- A. Submit shop drawings in accordance with Section 01 33 00.
- B. Indicate dimensions and thickness of panels, fastening and anchoring methods, detail and location of joints and gaskets, thermal movement provision, wall openings, head, jamb and sill details, materials and finish, compliance with design criteria and requirements of related work

1.5 SAMPLES

- A. Submit samples in accordance with Section 01 33 00.
- B. Submit duplicate 100 x 100mm samples of wall panels, representative of materials, finishes and colours.

1.6 PRODUCT DATA

- A. Submit product data in accordance with Section 01 33 00.
- B. Submit product data sheets for cladding system materials. Include product characteristics, performance criteria, limitations and colours

1.7 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Testing Laboratory: Certified to CSA A283.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Store and protect material in accordance with panel manufacturer's recommendations.
- B. Do not expose panels with strippable film to direct sunlight or extreme heat.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Composite panels:
 - 1. Thickness: 3 mm.
 - 2. Core: extruded thermoplastic resin core.
- B. Aluminum face sheets:
 - 1. Thickness: 0.51 mm.
 - 2. Alloy: AA-3003.
- C. Aluminum extrusions: alloy AA-6063-T5.
- D. Acceptable manufacturers:
 - 1. Flynn Total Building Envelope
 - 2. Ritz Architectural Systems
 - 3. Cladco
- E. Accessories:
 - 1. Fasteners: aluminum extrusion, type route and return continuous edge grip, concealed in accordance with manufacturer's recommendations.

2.2 ACCESSORIES

- A. Proprietary aluminum extrusions: compatible with panel edges, manufacturer's standard profiles, vertical and horizontal joint closures and perimeter trim as required for a complete installation.
- B. Fasteners: as recommended by manufacturer, concealed and non-corrosive.
- C. Joint filler strip: same material and finish as panel material, size as required.
- D. Insulation: to Section 07 21 3.
- E. Liner Panel: sheet liner sheet, structural quality, grade 230 to ASTM A 446/A 446M-93, with Z275 zinc coating:
 - 1. Light duty modified silicone finish.
 - 2. Dry film thickness 0.025mm.
 - 3. Gloss: low.

2.3 PAINTED FINISHES

- A. Prefinished sheet with factory applied polyvinylidene fluoride.
 - 1. Class F1S.
 - 2. colour selected by Consultant from manufacturer's standard range.
 - 3. Specular gloss: 30 units +/- in accordance with ASTM D 523-89(1999).
 - 4. Coating thickness: not less than 22 micrometres.
 - 5. Resistance to accelerated weathering for chalk rating of 8, colour fade 5 units or less and erosion rate less than 20% to ASTM D as follows:
 - a. Outdoor exposure period 2500 hours.
 - b. Humidity resistance exposure period 5000 hours
 - 6. Colour shall be 4-MBX-G30 Medium Bronze Metallic or similar to match existing

2.4 FABRICATION

- A. Composition: two sheets of aluminum sandwiching a core of extruded thermoplastic formed in a continuous process with no glues or adhesives.
- B. Factory fabricated.
- C. Tolerances:
 - 1. Panel bow: maximum 0.8% of panel dimension in width and length.

2. Panel dimensions: where final dimensions cannot be established by field measurement before completion of panel manufacturing, make allowance for field adjustments as recommended by manufacturer.
3. Panel lines, breaks and angles: sharp, true and surfaces free from warp or buckle

PART 3 - EXECUTION

3.1 PREPARATION

- A. Before installation examine alignment of substrate and notify Consultant in writing if substrate does not comply with requirements of panel installer

3.2 INSTALLATION

- A. Install composite panels in accordance with manufacturer's written instructions and shop drawings. Allow for thermal movement.
- B. Maintain following installation tolerances:
 1. Maximum variation from plane or location shown on shop drawings: 10 mm/10 m of length and up to 20 mm/100 m.
 2. Maximum deviation for vertical member: 3 mm in an 8.5 m run.
 3. Maximum deviation for a horizontal member: 3 mm in an 8.5 m run
 4. Maximum offset from true alignment between two adjacent members abutting end to end, in line: 0.75 mm.
- C. Remove strippable coating from panels as they are erected

3.3 CLEANING

- A. Progress Cleaning: Clean in accordance with Section 01 74 00 - Cleaning.
- B. Final Cleaning: Upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 00 - Cleaning.
- C. Waste Management: Perform in accordance with Section 01 74 00 - Waste Management and Disposal.
 1. Remove recycling containers and bins from site and dispose of materials at appropriate facility.

END OF SECTION

GENERATOR SYSTEM QUOTATION

24-03113

DATE :	25-May-26	ENGINEER :	HDR INC. - RICHMOND HILL
CUSTOMER :	Kingston Health Sciences Centre	PROJECT :	KINGSTON HEALTH SCIENCES CENTRE
			Kingston

ATTENTION :

LOCATION :

In accordance with our understanding of the project requirements and based on the following information received, we are pleased to offer you the following equipment and services for your consideration;

EXCEPTIONS & CLARIFICATION

- * Fuel, fuel piping, exhaust piping beyond silencer for open units, and stack extension for enclosed units by others.
- * Permits and Installation of generator set including loose ship items will be the responsibility of others
- * Coordination study and any product changes as a result of same will be responsibility of others
- * Unit is configured to meet CSA-C282 standard for life safety
- * TSSA fuel tank inspection required under CSA CODE B-139. Cost and responsibilities for arranging inspections are not included,
- * Site to provide location and access for load bank placement within 50 feet of load bank connection point
- * Any exhaust extension beyond the generator enclosure not included and by others
- * Clarifications: 2.3.5 OEM standard dry type air cleaner service indicators as per OEM
- * Clarifications: 2.11 Pressure and temperature are monitored by engine ECU and shutdown set by Genset controller backed up by ECU. These are analog not digital.
- * Clarifications: 2.17 Engine OEM crankcase recirculatory provided, designed to meet engine and modification to OEM design may impact engine warranty
- * Clarification: 1.7: Two-year service contract provided with unit spare parts are provided fresh at time for service. Listed quantities would not fit in any reasonable cabinet. Fuses and battery service kit provided in cabinet
- * Clarification: 1.15.3: Customer damage done by others not related to poor workmanship or materials supplied as part of contract are not warranted and would be the responsibility of the contractor or owner.
- * Clarification: 2.3.10: OEM closed crankcase system with OEM filter
- * Clarification: 2.7: OEM oil to coolant cooler not oil to air cooler.
- * Clarification: 2.9.10: Alternator breaker termination at bottom of breaker. Assuming as walk-enclosure either bottom entry or rear entry.
- * Clarification: 2.11: Engine ECU monitored, not separate snap switches.
- * Clarification: 2.13.5: Single bearing genset with engine and alternator to skid mounting on isolators.
- * Clarification: 2.17: OEM closed crankcase breather system
- * Clarification: 2.18: Integrated genset digital OEM control system, please refer to specification sheet for interface details. If more information is required, please advise.
- * Clarification: 2.18.4: Oil level is not provided on genset control panel.
- * Clarification: 2.18.12/13/14: New units at starting is not paralleled as tie breaker is in open state. In this configuration third genset would parallel to existing system on tie breaker close with tie breaker controller. If this is required system should be designed with tie breaker closed.
- * Clarification: 2.18.19: Not a parallel to utility system
- * Clarification: 2.27.8: FAT is a single genset only, synchronization and ATS(s) at FAT not provided.
- * Clarification: 3.2/3/4: Installation by others.
- * Clarification: New unit will not synchronize with existing units due to proprietary, obsolete controls on existing units (SDMO Kerys). Controls will need to be upgraded on existing generators to be capable to parallel with any new generator.

GENERATOR :

QTY	MAKE	MODEL	KW	RATING	FUEL	VOLTAGE	PHASE	RPM
1	Generac	SD2000	2000	Standby	Diesel	347/600	3	1800

In addition to the standard factory features and accessories, the generator will include the following major items:

- * Custom walk-in sound attenuated weather enclosure - approx. 60dBA @ 7m
- * Enclosure is configured to meet CAN/CSA-C282 c/w motorized louvres, heat, lighting, etc.
- * ~~Stairs on outside of enclosure~~
- * 72 hour double walled sub-base style fuel tank
- * Generator mounted auto start control panel
- * 21 light remote annunciator panel - shipped loose
- * PMG Alternator
- * Heater relay disconnects
- * Batteries, rack & cables
- * Vulcan Battery Charger is 20A, 24V
- * Galvanized steel drip pan
- * External GFI
- * inline heater
- * CSA282 - 30 circuits load center
- * Hospital grade silencer
- * Main line circuit breaker - 2500A - LSI- 100% rated - c/w alarm contacts
- * Seismic isolators (isolators are installed beneath the generator, inside the enclosure)
- * Remote emergency stop button - shipped loose
- * Fan and belt guards
- * First fill of engine oil & antifreeze
- * Manuals
- * CSA approval or equivalent
- * 5-year comprehensive extended factory warranty

SERVICES:

- * Extended factory testing - 4 hours - performed at 1.0PF
- * Freight (by GAL choice) prepaid to location site perimeter, unloading and protection at site by others
- * Start-up inspection c/w 6-hour load test to CSA 282 standards and instruction performed during regular business hours
- * Site testing; Additional 4 hour testing as per spec (3 Days 2 Techs)
- * Training as per spec
- * 1x visit before warranty expires
- * Pre-commissioning and post commissioning support as per spec.

NET PACKAGE PRICE : \$1,656,079 CDN - All taxes extra

ADD : \$69,500.00 for controller upgrades to the existing 2 generators to parallel with new generator.

NOTE: This does not include any SWGR, SWGR controls, PLC, or equipment for synchronization over the TIE breaker. This only includes the generator controller upgrade.

Terms :

- Price valid until September 30, 2026 at 11:59 pm
- Net 30 days OAC
- Balance due in full prior to start-up
- Standard GAL Power Terms and Conditions of Sale apply as attached
- Total Power/GAL Power reserves the right to update pricing if any of the following scenarios take place:
 - Price is voided if HRC steel exceeds \$1139.00 USD/T based on **Trading Economics**
 - Price is voided if the exchange rate rises above a CDN to USD rate of \$1.39 per the **Bank of Canada**
 - Price is voided if diesel fuel exceeds \$1.80/L per the **National Resource Canada, Daily Average Wholesale (Rack)**
- **Prices for Diesel**
- **Payment Schedule:**
 - **\$10,000 – per form 00 43 22 ME-02**
 - **20% (less \$10,000) on release of order and/or approval of drawings (\$321,215.73)**
 - **80% on ready to ship less the \$30,000 for delivery and commissioning (1,294,862.94)**
 - **\$30,000 – per form 00 43 22 ME-02**
 - **No holdbacks**
 - **Unit can be stored at Total Power / GAL Power for up to 60 days post-ready-to-ship notification and invoice if paid for NET30 for no additional cost. After 60 days, storage fees of 0.75% of NET package price apply per month (\$12,420.59 + tax / month)**
 - **All above are plus applicable taxes.**

Prices are subject to market fluctuations and availability for raw materials. Please re-confirm pricing prior to issuing PO.

Shipment : * ~52 weeks after release of order and/or approved shop drawings. Please confirm at time of order.

Thank you for the opportunity to bid on this project. Please do not hesitate to call if we can be of further assistance.

Sincerely, Dean McNeill
Territory Manager

SD2000 & MD2000 | 65.4 L | 2000 kW**INDUSTRIAL DIESEL GENERATOR SET**

EPA Certified Stationary Emergency

**GENERAC[®] INDUSTRIAL
ENERGY****Standby Power Rating**

2000 kW, 2500 kVA, 60 Hz



*Assembled in the USA using
domestic and foreign parts

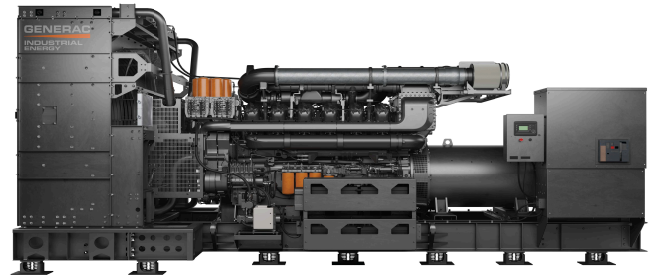


Image used for illustration purposes only

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.



UL2200, UL6200, UL1236, UL489



CSA 22.2-100, ULC S601



BS5514 and DIN 6271



SAE J1349



NFPA 20, 37, 70, 110



NEC700, 701, 702



NEMA ICS10, MG1, 250, ICS6, AB1



ANSI C62.41

Powering Ahead

For over 60 years, Generac has provided innovative design and superior manufacturing.

Generac provides superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally for the most reliable engines to power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

SD2000 & MD2000 | 65.4 L | 2000 kW**INDUSTRIAL DIESEL GENERATOR SET**

EPA Certified Stationary Emergency

**GENERAC[®] INDUSTRIAL
ENERGY****STANDARD FEATURES****ENGINE SYSTEM**

- Oil Drain Extension
- Air Filter Restriction Indicator
- Air Cleaner
- Fan and Belt Guards
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter
- Engine Oil Heater
- Engine Coolant Heater
- Engine Pre-lubrication Pump
- Coolant Heater Ball Valves
- Fuel Cooler

FUEL SYSTEM

- Flexible Fuel Lines
- Primary and Secondary Fuel Filter

COOLING SYSTEM

- Pressurized Closed System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- 50/50 Ethylene Glycol Antifreeze
- Radiator Drain Extension
- Closed Coolant Recovery System

ELECTRICAL SYSTEM

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

ALTERNATOR SYSTEM

- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Permanent Magnet Excitation
- Sealed Bearing
- Full Load Capacity Alternator
- Bearing/Winding Temperature Monitoring

GENERATOR SET

- Separation of Circuits
- Separation of Circuits - Multiple Breakers
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)

CONTROL SYSTEM**DSE G8601 Controller****Key Features**

- Advanced PLC Functionality
- Multi-Purpose PIDs
- Virtual Inputs
- On-Screen Mimic (SLDs)
- Multiple Application Support
- Multi-Level Pin Protected Front Panel Editor
- Integral LCD Display Heater
- Enhanced High-Resolution 240 x 128 Pixel Display
- Single Generator Control
- Latest ECU/ECM Support
- Touch Screen Panel PC Support
- Zero Sequence Voltage Protection
- Integral Gasket (IP65 protection)

Standard Protections

- Low Coolant Level
- High/Low Coolant Temperature
- Oil Temperature
- Overspeed
- Over/Under Voltage
- Over/Under Frequency

- Over/Under Current
- Over Load
- Battery Voltage
- Battery Charger Current
- Phase to Phase and Phase to Neutral Short Circuits (I²T Algorithm)
- Ground Fault

Control Panel

- Auto/Off/Manual
- Indication Through Display Screen
- Audible Alarm and Silence
- Not in Auto Indication

Voltage Regulation

- Digital Control
- Three-Phase Sensing
- Negative Power Limit
- Loss of Sensing Protection
- Fault Protection (I²T Function)
- High Voltage Limit
- Low Voltage Limit
- Maximum Power Limit
- $\pm 0.5\%$ Voltage Regulation

Governor Functionality

- Speed Control through ECM Integration
- Soft Start Ramping (Multiple Steps)

Qualification Testing

- Life Test in Environmental Chamber
- Temperature Rating -22 °F to +122 °F (-30 °C to +50 °C)
- Vibration Tested and Protected

Connections (Actual I/O May Vary Due to Configuration)

- 4 Analog Inputs
- 12 Digital Inputs
 - 9 Active Low Digital Outputs

Customer Ports

- Ethernet
- 2 RS-485
- 2 USB
- CANBus

Codes and Standards

- UL 6200
- CE
- NFPA 110 Capable

More Features

- Built-in Governor
- Digital AVR Support
- Multiple Language Support
- Three-Phase Generator Sensing and Protection
- Three-Phase Bus Sensing
- Generator Current, Protection and Power Monitoring
- Configurable Timers
- Integrated SNMP
- Data Logging
- PC Configuration
- DSENet[®] (Expansion Support)
- Flexible I/O (Inputs/Outputs)
- Automatic and Front Panel Breaker Control
- Power-Save Mode

SD2000 & MD2000 | 65.4 L | 2000 kW**INDUSTRIAL DIESEL GENERATOR SET**

EPA Certified Stationary Emergency

**GENERAC[®] INDUSTRIAL
ENERGY****CONFIGURABLE OPTIONS****ENGINE SYSTEM**

- Critical Grade Silencer
- Hospital Grade Silencer
- CCV (Closed Crankcase Ventilation)
- Oil Heater
- Radiator Duct Flange
- Radiator Stone Guard
- Duplex Fuel Water Separator
- Oil Make Up Kit

ELECTRICAL SYSTEM

- 20A UL Listed Battery Charger (x2)
- Battery Warmer
- Redundant Starting System

ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- 3rd Main Line Circuit Breaker
- 4th Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contact
- Electronic Trip Breakers

GENERATOR SET

- Spring Isolators (Standard/Seismic)
- 24 Position Load Center
- Extended Factory Testing

CONTROL SYSTEM

- NFPA 110 Level 1 Compliant 21-Light Remote Annunciator
- Remote Output Relays (8 or 16)
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- 100 dB Alarm Horn
- Ground Fault Annunciator
- 10 Amp Engine Run Relay
- 120V GFCI Outlet
- Flush Mount Annunciator Kit
- Damper Alarm Contacts (with Motorized Dampers Only)

WARRANTY (Standby Gensets Only)

- 2 Year Extended Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

SD2000 & MD2000 | 65.4 L | 2000 kW**INDUSTRIAL DIESEL GENERATOR SET**

EPA Certified Stationary Emergency

**GENERAC[®] INDUSTRIAL
ENERGY****APPLICATION AND ENGINEERING DATA****ENGINE SPECIFICATIONS****General**

Make	Baudouin
EPA Emissions Compliance	Tier 2
EPA Emissions Reference	See Emissions Data Sheet
Cylinder #	20
Type	V
Displacement - in ³ (L)	3,991.0 (65.4)
Bore - in (mm)	5.91 (150)
Stroke - in (mm)	7.28 (185)
Compression Ratio	15:1
Intake Air Method	Turbocharged/Aftercooled
Cylinder Head	4-Valve

Engine Governing

Governor	Electronic
Frequency Regulation (Steady State)	5%

Lubrication System

Oil Pump Type	Gear Driven
Oil Filter Type	Full Flow Spin-On Cartridge
Crankcase Capacity - qt (L)	304 (288)

Cooling System

Cooling System Type	Pressurized Closed
Fan Type	Pusher
Fan Diameter - in (mm)	88 (2,235)

Fuel System

Fuel Type	Ultra Low Sulfur Diesel #2
Fuel Specifications	ASTM
Fuel Filtering (Microns)	4
Fuel Inject Pump	High Pressure Common Rail
Injector Type	Electronic
Fuel Supply Line O.D. Minimum - in (mm)	0.748 (19)
Fuel Return Line O.D. Minimum - in (mm)	0.748 (19)
Governor	ECU
Governor Steady State Speed Stability at Constant Load (ISO 8528-5 Class G3) ²	≤ ±0.5%
Max. restriction at fuel inlet (Bar)	0.1

Engine Electrical System

System Voltage	24 VDC
Battery Charger Alternator	Standard
Battery Size	See Battery Index 0161970SBY
Battery Voltage	24 VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	L2050064N24
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5%
Telephone Interference Factor (TIF)	<50

Standard Excitation	Permanent Magnet
Coupling	Direct Drive
Bearings	Sealed Ball
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	3
Regulation Accuracy (Steady State)	±0.25%

SD2000 & MD2000 | 65.4 L | 2000 kW**INDUSTRIAL DIESEL GENERATOR SET**

EPA Certified Stationary Emergency

**GENERAC[®] INDUSTRIAL
ENERGY****POWER RATINGS**

		Standby	Part Number
Three-Phase 240/416 VAC @0.8pf	2000 kW/2500 kVa	Amps: 3035.9	K3250064N24
Three-Phase 277/480 VAC @0.8pf	2000 kW/2500 kVa	Amps: 3,007.0	L2050064N24
Three-Phase 346/600 VAC @0.8pf	2000 kW/2500 kVa	Amps: 2405.6	L2100064N24

MOTOR STARTING CAPABILITIES (SKVA)

skVA vs. Voltage Dip					
240/416 VAC	30%	277/480 VAC	30%	346/600VAC	30%
K3250064N24	Contact Factory	L2050064N24	Contact Factory	L2100064N24	Contact Factory

FUEL CONSUMPTION RATES*

		Diesel - gph (Lph)	
Fuel Pump Lift- ft (m)		Percent Load	Standby
Contact Factory		25%	42.8 (162.0)
		50%	79.1 (299.5)
Total Fuel Pump Flow (Combustion + Return) - gph (Lph)		75%	119.7 (453.0)
Contact Factory		100%	153.1 (579.5)

*Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

		Standby
Air Flow (Fan Air Flow Across Radiator)	cfm (m³/min)	Contact Factory
Coolant Flow (LT)	gpm (Lpm)	213.5 (808.3)
Coolant Flow (HT)	gpm (Lpm)	420 (1590)
Coolant System Capacity	gal (L)	97 (367)
Maximum Operating Ambient Temperature	°F (°C)	122 (50)
Maximum Operating Ambient Temperature (Before Derate)	See Bulletin No. 0199280SSD	
Maximum Additional Radiator Backpressure	in H ₂ O (kPa)	Contact Factory

COMBUSTION AIR REQUIREMENTS

	Standby
Flow at Rated Power cfm — (m³/min)	6,339.0 (179.5)

ENGINE

		Standby
Rated Engine Speed	rpm	1,800
Horsepower at Rated kW**	hp	2,950.0
Piston Speed	ft/min (m/min)	2,185 (666)
BMEP	psi (kPa)	329.7 (2,273)

** See "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

EXHAUST

		Standby
Exhaust Flow (Rated Output)	cfm (m³/min)	20,708.5 (586.4)
Maximum Allowable Back Pressure (Post Turbo)	inHg (kPa)	1.08 (7.5)
Exhaust Temperature (Rated Output - Post Turbo)	°F (°C)	957.2 (514)

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.
Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with BS5514 and DIN6271 standards.

Standby - See Bulletin 0187500SSB

Prime - See Bulletin 0187510SSB

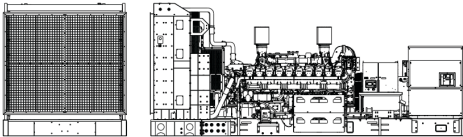
SD2000 & MD2000 | 65.4 L | 2000 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

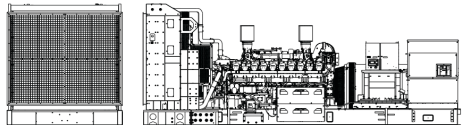


DIMENSIONS AND WEIGHTS*



OPEN SET 764 FRAME

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg) Unit Only
No Tank	—	288 (7,315.2) x 113 (2,870.2) x 121.4 (3084.7)	39,408 (17,963)



OPEN SET 1020 FRAME

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg) Unit Only
No Tank	—	310 (7,874) x 113 (2,870.2) x 121.4 (3084.7)	46,584 (21,157)

*Weights will vary based on options selected.

Project/Contract: KGH Emergency Power Upgrades

Bid Number: 10434805-ME-02

Scope: Engineering and Price for the 2 MW Enclosed Diesel Generator with
Integral Fuel Tank per Generator Technical Specifications (HHA #2250139)

From(Proponent): Total Power Limited.

Company name

2558 Carp Rd,

Street address or postal box number

Carp, Ontario , K0A 1L0

City/Town, Province and Postal Code

To (Owner): Procurement
Kingston Health Sciences Centre
76 Stuart Street
Kingston, ON
K7L 2V7

- A. We, the undersigned, having examined the *Bid Documents* for the above-named project/contract, including Addendum Numbers(s) 3, hereby offer to perform the *Work* in accordance with the *Bid Documents*, for the stipulated price (base *Bid Price*) of:

\$ 1,656,079.00

amount in figures

in Canadian dollars, excluding *Value Added Taxes*.

One million six hundred fifty-six thousand, seventy-nine dollars and zero cents.

amount in words

in Canadian dollars, excluding *Value Added Taxes*.

- a. For this project the Value Added Taxes shall mean HST at 13%.

B. We declare that:

- I. We will attain the following date for delivery of *reviewed shop drawings/engineering deliverable review* as follows:
 - a. ____4 - 6 weeks after receipt of order (engineering).
- II. We will attain the following date for delivery of the *Specified Equipment* as follows:
 - a. ____~52 weeks after receipt of order (equipment, 'full notice to proceed')

C. We understand and declare that:

- a. We have arrived at the bid without collusion with any competitor.
- b. The Bid Price is open to acceptance by the *Owner* for a period of 60 days running from the Proposal Submission Deadline. Refer to the RFP.
- c. The Bid Price is open to acceptance by the *Owner* and assignment to the successful Installation Contractor and/or General Contractor (as applicable) in accordance with the terms determined in the RFP.
- d. We accept and agree that we shall perform work expeditiously and with adequate forces to attain *delivery of engineering and shop drawings*, and *delivery of equipment* within the completion times specified in *Bid Documents*. In order to maintain schedule we have allowed for overtime work in our bid price.
- e. We have carefully reviewed and fully understand the *Bid Documents* (including the *Instruction to Bidders*), and, in particular, acknowledge the rights of the *Owner* expressly reserved in the *Instructions to Bidders*, to accept or reject any or all of the bids.

Signatures:

Signed and submitted by:

Total Power Limited

Company name

Alex Poyntz-Wright Senior Director -Equipment Sales

Name and title of authorized signing officer

Alex Poyntz-Wright

Signature of authorized signing officer

Dean McNeill

Name of witness

Dean McNeill

Signature of witness

Chad Gibson Senior Director - Projects & Engineering

Name and title of authorized signing officer

Chad Gibson

Signature of authorized signing officer

Dean McNeill

Name of witness

Dean McNeill

Signature of witness

Dated this: 25th day of May, 2026.

Note: Affix corporate seal as required by *Bid Documents*

END OF SECTION

Project/Contract: KGH Emergency Power Upgrades

Bid Number: 10434805-ME-02

From(Proponent): Total Power Limited
Company name

We, the above named Proponent, offer the Itemized Prices requested below. The values of Itemized Prices are included in the Bid Price but must be specifically set out in the event that these items will be deleted from the project; they are the amount to be added to, or deducted from, our base Bid Price (as entered in the Bid Form, Section 00 41 13 ME-02). Itemized Prices are to include costs of all required work.

Note: in this project, Itemized Prices are to be used to identify portions of the bid value to be paid in advance (engineering), and other portions to be assigned to the Contractor for payment through a future Construction Contract.

Schedule of Itemized Prices (VAT NOT INCLUDED)

Values are presented in Canadian dollars (CAD), and exclude Value Added Taxes (VAT). For this project Value Added Taxes shall mean the Harmonized Sales Tax (HST) at 13%.

	Item	Amount
1	Engineering and preparation of shop drawings of the Diesel Generator per Specifications (HDR 10434805 & HHA #2250139). If this scope is pre-purchased for future assignment to a General Contractor, the value presented is paid in advance. It would therefore be removed from the General Contractor's future Construction Contract Bid Price.	\$10,000.00
2	Site services including: • inspection of equipment prior to unloading, witness of unloading, technical supervision of unloading, unloading report, • factory-trained technician and service representative delivery of factory and field training for operating and maintenance, • technical supervision of the installation, • factory-trained technician and service representative for on-site start-up, and • on-site testing and commissioning.	\$30,000.00
3		

END OF SECTION

Alternative Prices Bid Form Supplement

Project/Contract: KGH Emergency Power Upgrades

Bid Number: 10434805-ME-02

From(Proponent): Total Power Limited.

Company name

We, the above-named Proponent, offer the Alternative Prices requested below. The values of the Alternative Prices are not included in the Bid Price and are to reflect the net value of the change; they are the amount to be added to, or deducted from, our base Bid Price (as entered in the Bid Form, Section 00 41 13 ME-02). Alternative Prices are to include costs of all required work.

If there is no change to the base bid price for an alternative, we have so indicated.

It is understood that:

- a) The *Owner* may accept the alternatives and corresponding alternative prices in any order, including all or none,
- b) Alternative prices will be considered in determining the lowest bidder,
- c) Alternatives and alternative prices are open for acceptance by the *Owner* for the same period of time as the Bid Price, unless otherwise indicated,
- d) The *Work* of the *Contract* and the *Contract Price* will reflect the alternatives and alternative prices, if any, accepted by the *Owner* at the time of *Contract* award, and
- e) Acceptance of any alternatives will not affect the base bid contract completion time, unless we have specifically indicated an increase or decrease in time, in number of days, on account of a particular alternative.

Alternative Prices Bid Form Supplement

Project/Contract: KGH Emergency Power Upgrades

Bid Number: 10434805-ME-02

From(Proponent): Total Power Limited.

Company name

We, the above-named Proponent, offer the Alternative Prices requested below. The values of the Alternative Prices are not included in the Bid Price and are to reflect the net value of the change; they are the amount to be added to, or deducted from, our base Bid Price (as entered in the Bid Form, Section 00 41 13 ME-02). Alternative Prices are to include costs of all required work.

If there is no change to the base bid price for an alternative, we have so indicated.

It is understood that:

- a) The *Owner* may accept the alternatives and corresponding alternative prices in any order, including all or none,
- b) Alternative prices will be considered in determining the lowest bidder,
- c) Alternatives and alternative prices are open for acceptance by the *Owner* for the same period of time as the Bid Price, unless otherwise indicated,
- d) The *Work* of the *Contract* and the *Contract Price* will reflect the alternatives and alternative prices, if any, accepted by the *Owner* at the time of *Contract* award, and
- e) Acceptance of any alternatives will not affect the base bid contract completion time, unless we have specifically indicated an increase or decrease in time, in number of days, on account of a particular alternative.

Alternative Prices Bid Form Supplement

Schedule of Alternative Prices (VAT NOT INCLUDED)

Values are presented in Canadian dollars (CAD), and exclude Value Added Taxes (VAT). For this project Value Added Taxes shall mean the Harmonized Sales Tax (HST) at 13%.

Item	Description of Alternative Price	Effect on Base Bid Price	
		Add	Deduct
1	Net change in base Bid Price for supply of material described in this Diesel Generator RFP 10434805-ME-02 irrevocable in the form submitted by the Bidder for a period of two hundred and seventy (270) days running from the Proposal Submission Deadline. Engineering and shop drawings would be awarded within the same period of time as the base RFP terms. The contract completion time would remain effective relative to acceptance (full notice to proceed). For clarity: This Alternative Price is open to acceptance beyond the period of time for the base Bid Price.		
2	Price is valid until <i>Dean McNeill</i> Sept. 30, 2026 at 11:59 PM EST.,		
3			
4			
5			
6			
7			

END OF SECTION

Terms & Conditions of Sale

(together with the Quotation, the "Agreement")

The entity among G.A.L. Power Systems Toronto Ltd, G.A.L. Power Systems Ottawa Ltd, G.A.L. Power Systems Northern Ltd, Les Produits Énergétiques GAL Inc. and/or their affiliate whose name appears on the Quotation (the "Seller") agrees to sell the goods covered in the Quotation on, and subject to, these terms and conditions.

1. **ACCEPTANCE.** The Quotation may be withdrawn by the Seller at any time before it is accepted by the Purchaser. Acceptance is accomplished by the Purchaser giving the Seller written acceptance accompanied by a purchase order. The Quotation does not apply to any other orders from Purchaser for the same goods and/or services.
2. **TERMS OF AGREEMENT.** The Agreement supersedes all previous quotations for the same subject matter from the Seller, and all purchase orders and terms and conditions from Purchaser. No standard terms or conditions in any Purchaser purchase order shall modify, supplement or otherwise amend the terms of the Agreement or otherwise increase the liability of the Seller beyond the terms set forth in this Agreement. If there are any discrepancies or inconsistencies whatsoever between the Agreement and the terms and conditions of a purchase order or other document of Purchaser, then the terms and conditions of the Agreement govern, regardless of which document was first executed and regardless of the terms of the purchase order or other document. The Seller makes no representations or warranties other than as expressly set forth in the Quotation.
3. **PRICE.** All prices and discounts are in accordance with the Seller's Quotation. The total purchase price is due prior to start-up. Subject to establishment of satisfactory credit, payment is due in full on delivery unless credit is authorized and approved by the Seller. Credit is extended in the sole and absolute discretion of the Seller and may be reduced, suspended or terminated at any time, without cause and without notice. The Seller may change the terms of credit at any time.
4. **CREDIT CONDITIONS.** At any time, the Purchaser is or has been in default under the terms of this Agreement or any other agreement with the Seller, or if the Seller acting reasonably and in good faith determines the Purchaser's financial condition may impair the Purchaser's ability to perform its obligations under this Agreement, the Seller may demand adequate assurance of the Purchaser's financial condition and ability to perform. Such demand for assurance may require full payment of all amounts then due and owing by the Purchaser or may require partial or full advance payment of the purchase price of goods which have been scheduled for delivery but shall not be limited to the foregoing. If the Purchaser fails within 10 days of the Seller's demands to provide the Seller with such assurance, the Seller shall be entitled to cancel any order then outstanding, shall be entitled to receive reimbursement for its cancellation charges, and may proceed to collect, without limitations, any sums due and owing, its cancellation charges and all damages resulting from the Purchaser's default. In the event of bankruptcy or insolvency of the Purchaser, or in the event of any proceeding brought against the Purchaser, voluntary or involuntary, under bankruptcy or any insolvency laws, the Seller shall be entitled to cancel any orders then outstanding at any time during the period allowed for filing claims against the estate and shall receive reimbursement for its reasonable and proper cancellation charges. The Purchaser hereby consents to the Seller conducting a credit investigation of the Purchaser and to the Seller making inquiries with financial institutions or other persons in a business relationship with the Purchaser in connection therewith; the Purchaser hereby authorizes and directs persons to answer the Seller's inquiries.
5. **DELIVERY OF GOODS.** Delivery dates for the goods and services described in the Quotation are estimates only. The Seller will use commercially reasonable efforts to deliver such goods and services by the estimated delivery date specified in the Quotation for each item of the goods.
6. **INVOICING.** Invoices shall be payable in accordance with the terms of payment agreed upon in the Quotation by cheque, bank transfer or any other way accepted by the Seller. Unpaid invoices shall accrue interest at the rate of 2% per month (24% annually) for any amount remaining unpaid more than 30 days following the invoice date. All invoices shall be paid in full by the Purchaser without charge-back, set-off or deduction of any kind. The Purchaser shall be solely responsible for all costs and expenses incurred by the Seller in collecting any amounts payable by the Purchaser including all legal fees and disbursements, and all collection agency fees and disbursements.
7. **RETENTION OF TITLE (OTHER THAN QUÉBEC).** The Seller remains the owner of all goods sold to the Purchaser until full and complete payment is received from the Purchaser. To the extent the Purchaser acquires any interest in the goods prior to payment in full, the Purchaser grants to the Seller a security interest in such goods to secure payment in full of all amounts payable to the Seller, and the Seller is entitled to register and perfect a Personal Property Security registration against the Purchaser with respect to such goods as a secured creditor. The Purchaser agrees, to the extent permitted by applicable law, all rights to receive copies of financing statements, financing charge statements, verification statements or copies of other notices or filings made by the Seller at any time in connection with this Agreement.
8. **RETENTION OF TITLE (QUÉBEC).** If the goods sold will be located in Québec, or if the Purchaser is domiciled in Québec, the Purchaser and the Seller acknowledge that any sale hereunder constitutes an instalment sale governed by articles 1745 and following of the *Civil Code of Québec*. The Seller hereby reserves ownership of all merchandise until full repayment of the purchase price, in accordance with the terms and conditions herein. For greater certainty, the Purchaser acknowledges and agrees that, from and after the date hereof, the Purchaser shall bear the risks of loss of the merchandise and all other property sold pursuant hereto and that the Seller may cause the registration of these terms and conditions as well as any other applicable terms and conditions in the appropriate registries. The Seller may publish its rights resulting from this Agreement at the *Register of Personal and Movable Real Rights* without notice to, or the consent of, the Purchaser.
9. **CHANGE ORDERS.** No modification, addition or deletion of any goods or services or any change in specification is effective unless a written change order is accepted and signed by an authorized signatory of the Seller. If a change order results in the imposition of costs or charges on the Seller or an increase in price or time required for supply of any part of the goods and/or services, then the Seller may adjust the price, delivery date or both as the Seller may determine and such adjustments are binding upon the Purchaser.
10. **SHIPPING.** All goods are at the risk of the Purchaser upon delivery for the goods to the Purchaser, its agent or a carrier for shipment, whichever delivery first occurs. The Purchaser shall pay the Seller all costs for special shipping or packaging. All insurance charges and related taxes and duties are for the Purchaser's account unless otherwise specified in the Quotation. Should the Purchaser not be ready to accept any shipment the Purchaser will be responsible to find alternative storage at the Purchaser's sole cost. The Seller, at its sole discretion, may elect to store the goods for a limited period of time.
11. **STORAGE.** In the event that the Seller stores any goods at its facility on behalf of the Purchaser, such goods will be at the Purchaser's risk and the Purchaser will be charged at a rate of 0.75% of the total purchase price per month for as long as the goods are in storage. The Seller may cease storage of the goods at any time. All insurance on the equipment will be the sole responsibility of the Purchaser. Any and all outstanding milestones, warranty dates, payment due dates and other timelines will continue to run during the period of time the goods are in storage. Any additional handling charges related to storage will be solely for the Purchaser's account.
12. **LIMITED WARRANTY / DISCLAIMER.** The Seller does not guarantee, assume any responsibility for, or make any representation or warranty with respect to any goods or service or the performance thereof, save and except as expressly set forth in the Quotation. To the maximum extent permitted by applicable law, the Purchaser hereby waives the benefit of any implied or statutory representations or warranties. Without limiting the foregoing, the Seller makes no representations or warranties with respect to merchantability, fitness for purpose, profitability or expected savings.
13. **LIMITATION OF LIABILITY.** The liability of the Seller whether arising under this Agreement, contract, tort, negligence, statutory liability or other legal theory, shall be limited to the direct and actual money damages effectively incurred by the Purchaser and in any event such liability shall not exceed in the aggregate the purchase price actually paid by the Purchaser to the Seller pursuant to the Quotation for the goods or services in question, regardless of the number of claims. In no event shall the Seller be liable for (i) any loss of revenue, profits or goodwill, or loss of use of any equipment, or (ii) any special, indirect, aggravated, punitive or consequential damages, however caused and regardless of the cause of action under which they arise, including but not limited to, loss of profits, loss of revenue, loss of revenue, loss of goodwill, or loss of business opportunity, in either case even if the Seller has been notified of the possibility of such damages, and the Purchaser hereby waives any claim or recourse against the Seller for such damages.
14. **FORCE MAJEURE.** The Seller will not be held liable in any way for delays in performance or non-performance due to contingencies or events beyond its reasonable control, including any government order or war, civil insurrection, act of terrorism, riot, weather, labour or transportation, strikes, flood, fire, earthquake, volcanic eruption or act of God, shortages of materials or energy, epidemic, pandemic (including COVID-19) or any other causes beyond the reasonable control.
15. **CANCELLATION.** Purchaser may cancel orders only upon reasonable advance written notice and upon payment to the Seller of the Seller's cancellation charges which include among other things, all costs and expenses incurred, and to cover commitments made by the Seller. The Seller's determination of such termination charges shall be final.
16. **INITIAL START-UP.** The initial start-up of any equipment provided to the Purchaser must be preceded by submitting a duly completed "Start-Up Request" form to the Seller. The start-up of the equipment is considered complete when the equipment is performing in accordance with manufacturer's specifications.
17. **ASSIGNMENT.** The Purchaser shall not have the right to transfer or assign this Agreement or any rights, remedies, obligations or benefits hereunder. For purposes of the foregoing, transfer shall include any change in the ownership of shares in any Purchaser that is a corporation or any change in the effective control of the Purchaser, whether by transfer of shares, operation of law or otherwise.
18. **ENUREMENT.** Subject to the terms hereof, this Agreement shall enure to the benefit of and be binding upon the parties hereto and their respective heirs, executors, administrators, successors, permitted assigns and legal representatives.
19. **INTERPRETATION.** Whenever the context of this Agreement so requires, the singular shall include the plural and vice versa and words importing the masculine gender shall include the feminine and neuter genders. Headings are for convenience of reference only and do not affect interpretation. In this Agreement, the word "including" means "including without limitation".
20. **NOTICES.** Any notice required or permitted to be given hereunder must be in writing and will conclusively have been deemed to have been received by its recipient on the business day it is delivered or sent by electronic transmission to a party at the address indicated in the Agreement (or at such other address as such party specifies to the other party in writing) or, if sent by registered mail, provided there is no interruption in postal services, on the fifth business day after the day of mailing, addressed to such party at such address, or if delivered personally or by courier on the business day so delivered.
21. **SEVERABILITY.** Any provision of this Agreement prohibited by or unlawful or unenforceable under any applicable law shall, at the sole option of the Seller, be ineffective without invalidating the remaining provisions of this Agreement; provided, however, that to the extent that the provisions of any such applicable law can be waived, they are hereby waived by the Purchaser.
22. **FURTHER ASSURANCES.** The Purchaser agrees to do all things and execute or obtain all documents as may be required by the Seller in order to give effect to or better evidence this Agreement.
23. **ENTIRE AGREEMENT.** This Agreement, the Quotation and, if applicable, the Credit Application, contain the entire understanding between the parties and other than as expressly set forth herein there are no other terms, conditions, representations or warranties of any kind. This Agreement may not be modified except by another agreement, in writing, signed by both parties to this Agreement.
24. **LANGUAGE.** The parties have requested that this Agreement and all related documents be drawn up in English only. Les parties ont exigé que le présent contrat et tous les documents qui s'y rapportent soient rédigés en anglais seulement.
25. **APPLICABLE LAW AND JURISDICTION.** If the goods sold are located in Québec or if the Purchaser is domiciled in Québec, this Agreement shall be governed by the laws of the Province of Québec and the federal laws of Canada applicable therein, without regard to conflict of laws principles. In all other cases, this Agreement shall be governed by the laws of the Province of Ontario and the federal laws of Canada applicable therein, without regard to conflict of laws principles. The United Nations Convention on Contracts for the International Sale of Goods shall not apply to this Agreement and its application is strictly excluded.